



Orpington Astronomical Society

Observing Officer's report for September 2024



Sky chart

1/09/2024

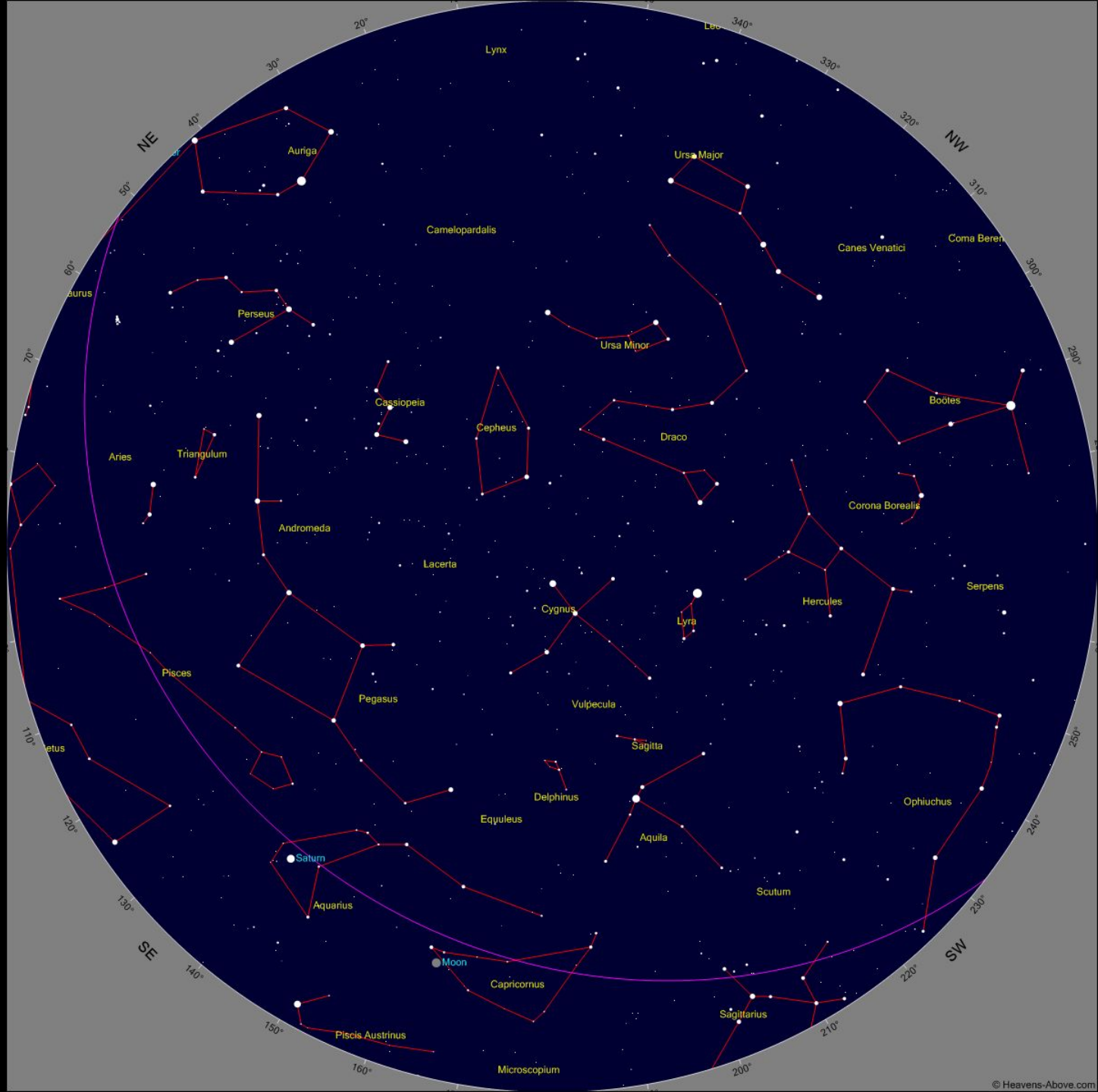
23:00

15/09/2024

22:00

28/09/2024

21:00



Source
<https://heavens-above.com/>

Phases of the Moon

New Moon



3rd Sep
2:55

1st quarter



11th Sep
7:05

Full Moon



18th Sep
3:34
Harvest Moon

3rd quarter



24th Sep
9:03

Sun phenomena in September

Autumn Equinox - 22nd Sep, 13:43

Date	Twilight starts *)	Rise	Set	Twilight ends *)	Day length
1 st	4:08	6:13	19:42	21:48	13:32
15 th	4:39	6:35	19:13	21:08	12:38
28 th	5:07	6:55	18:38	20:29	11:39

*) Astronomical twilight

Planets in September

M - Morning sky, before sunrise, E - evening sky, after sunset

Mercury - very difficult to see

Venus - slightly difficult to see (E)

Mars - average visibility (M)

Jupiter - perfect visibility (E)

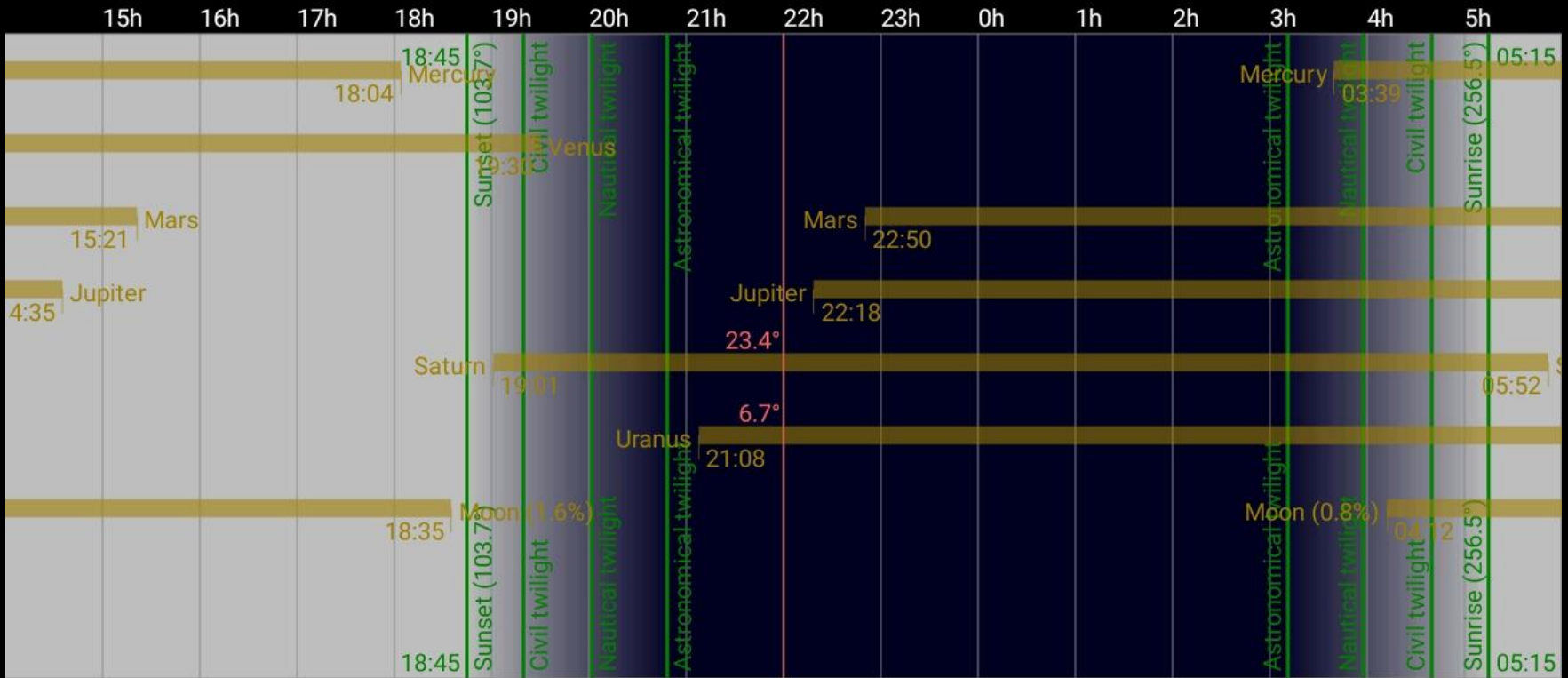
Saturn - perfect visibility (E)

Uranus - average visibility (E)

Neptune - slightly difficult to see (E)

1st September

2024-09-02 GMT



15th September

2024-09-16 GMT



28th September

2024-09-29 GMT



Selected events:

05 September 02 h: Mercury greatest western elongation

Might be visible on 5th and 6th September mornings around 5:30, 5-7° above eastern horizon, shining @-0.4 mag.

08 September 04 h: Saturn opposition @0.6 mag

18 September 3:44: Partial Lunar eclipse

start 1:41, start of partiality 3:12, greatest 3:44, end of partiality 4:15, end 5:47

21 September 00 h: Neptune opposition (@7.7 mag, 35° altitude above southern horizon)

30 September 21h: Mercury superior conjunction



**The next Observing evening will be held here
at the OVMH on Thursday 25th September
at 20:00.**

At the observing evening we will be observing:

- Moon (16 days old, 99% lit) rising @19:31, low above horizon only 15°
- Saturn @0.6 mag
- Cygnus, Corona Borealis, Hercules constellations
- M13 (Hercules Nebula), M57 (Ring Nebula), M29 (Cooling Tower Cluster), M31 (andromeda Galaxy)

Sunset 19:03

Astronomical twilight: 20:57



Earth, Orpington, 62 m

FOV 114°

17.9 FPS

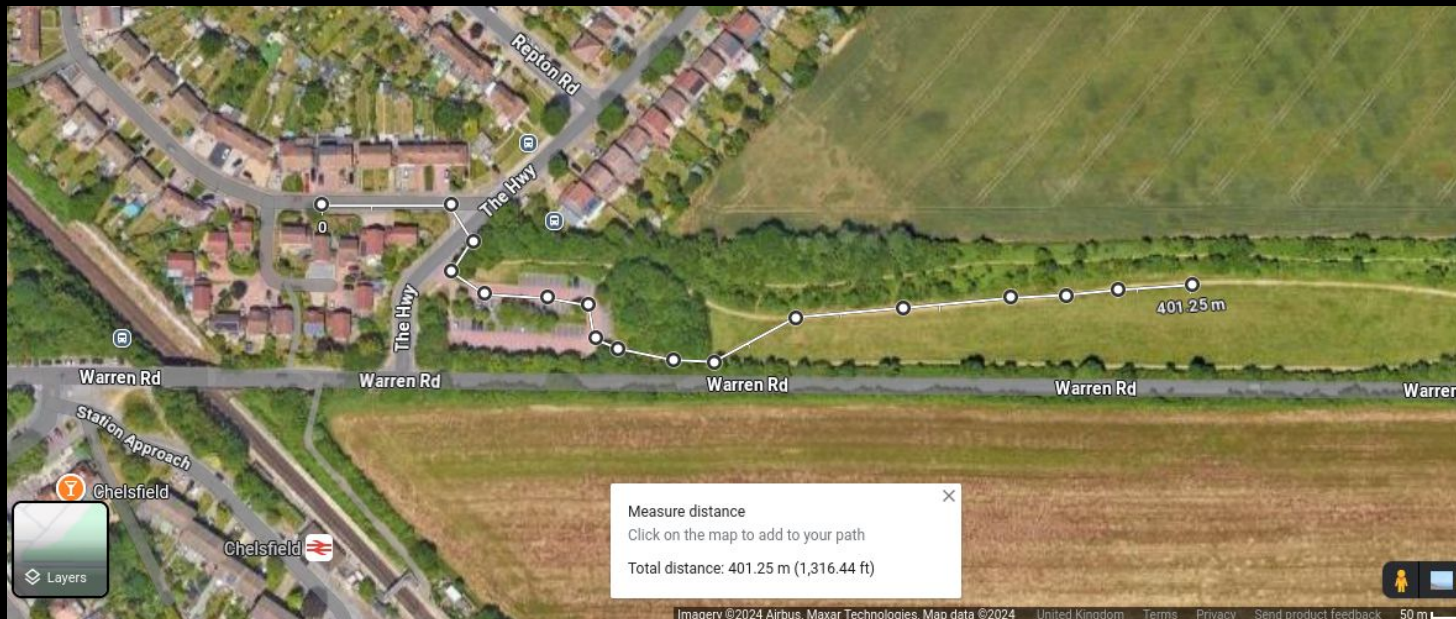
2024-09-19 21:00:00 UTC+01:00

Navigation and control icons including a compass, star icons, a globe, a magnifying glass, a play button, and a power button.

Informal meetings

The next informal meeting will be on Friday, 6th September at 8:30pm on Chelsfield Green. Free parking on single yellow lines at Stirling Drive or in Chelsfield car park off The Highway (£4.60).

The viewing spot is located some 400 m away on the green.



Thank you

